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## Using ARM 4 Supplement 2 (SCSI Presentation)

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# ARM 4 Supplement 2 Upskilling Electrical Services

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# ARM 4 Work Section N

Installations are to be classified as follows:

1. Incoming Services
2. Standby Equipment
3. Mains installation
4. Power Installation
5. Lighting installation
6. Heating Installation
7. Telephone installation
8. Data Transmission Installation
9. Clock Installation
10. Sound Distribution Installation
11. Security System Installation
12. Lighting Protection Installation
13. Transport Installation
14. TV Installation
15. Work associated with Mech Ins
16. Other installation, stated.

# ARM 4 Work Section N

Section N requires:

- Counting of larger items, sockets, switches and terminations etc.
- The measurement of cables, conduits

Can cause BoQ to be quite detailed at a time when the physical detail is missing from the design.

# ARM 4 Supplement 2

Systems are now categorised in category 2 (pg8)

- 1.HM/LV installation
- 2.LV installations
- 3.Cable ladder / tray / Trunking installations
- 4.Lighting and emergency lighting installations
- 5.General services and small power installations
- 6.Fire alarm installations
- 7.DATA / IT Installations
- 8.Mechanical & BMS installations

# ARM 4 Supplement 2 (cont)

- 9. Earthing and bonding installation
- 10. Lightning protection installation
- 11. Transport installation
- 12. Other installations – function stated

# ARM 4 Supplement 2 (cont)

The supplement requires more detailed description.

Units are measured as items and number.

Cable runs and trunking etc. are itemised.

# ARM 4 Supplement 2 (Cont)

- Supplement 2 is published for use in conjunction with ARM4.
- When using Supplement 2, a note should be given at the start of the Mechanical and Electrical Installation Sections of the Bill of Quantities making the tenderer aware that Supplement 2 is being used.
- Replaces pages 106 to 115 with the exception of Categories 1, items 2 to 5 on page 114 in the Electrical Installation (Sundries and Builders Work)
- Work covered by the exceptions shall be measured in accordance with ARM4.



# ARM 4 Supplement 2 (Cont)

Measurement scope refers to ARM 4 with particular reference to:

- Equipment (definitions) Pg 108 Cat 2 Items 1-9
- Fittings (definitions) Pg 108 Cat 2 Items 10-24
- Points (definitions) Pg 112 Cat 3 Items 1-8

# Supplement 2 – Contractor's Perspective

- Design by the Employer
  - Quantity Surveyor to produce a full BoQ in line with Supplement 2
  - Contractor to price BoQ as presented.
  - Contractor needs to be aware of the Measurement Rules, Measurement Scope and Deemed to be Included items as noted.

# Supplement 2 – Benefits

- Parity of pricing
- Allow for better valuation of interim application of payment.
- Allow for easier valuation and agreement of final account.
- Allow a reporting structure for the client and contractor.

# Supplement 2 - Drawbacks

- Will the design be sufficiently complete to allow for a true measure to be prepared at tender stage?
- Does the Quantity Surveyor have the requisite skill set to complete a full measure?
- Does the ARM4 Supplement 2 give enough breakdown?

# ARM 4 Supplement 2

## QUESTIONS

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